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(54) Title: MULTIFUNCTIONAL MONOMERS CONTAINING BOUND MESOGENIC PORAGEN FORMING MOIETIES
AND POLYARYLENE COMPOSITIONS THEREFROM

(57) Abstract: A compound (monomer) comprising i) one or more dienophile groups (A-functional groups), ii) one or more ring
structures comprising two conjugated carbon-to-carbon double bonds and a leaving group L (B-functional groups), and iii) one or
more chemically bound mesogenic poragen forming moieties, characterized in that the A-functional group is capable of reaction
under cycloaddition reaction conditions with the B-functional group to thereby form a cross-linked, polyphenylene polymer.



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